

Title (en)

FLEXIBLE OPTIC FIBER CABLE WITH CENTERED, INTERFERENCE FIT FERRULES

Title (de)

FLEXIBLES FASEROPTISCHES KABEL MIT ZENTRIERTEN PRESSSITZHÜLSEN

Title (fr)

CABLE A FIBRES OPTIQUES FLEXIBLE A BAGUES CENTREES, AJUSTEES AVEC SERRAGE

Publication

EP 1493046 B1 20070613 (EN)

Application

EP 03726040 A 20030310

Priority

- US 0307054 W 20030310
- US 11905602 A 20020409

Abstract (en)

[origin: WO03087892A2] A flexible optic fiber cable is provided having a plurality of optic fibers grouped together as a fiber bundle with a flexible center section, in which the optic fibers are moveable relative to adjacent fibers in the fiber bundle, and two non-flexible end sections. Each of the two non-flexible end sections includes a generally uniform thickness protective layer extending over an outer surface thereof starting at a position spaced inwardly from a free end of the end section. A ferrule is located around and in an interference fit with the protective layer so that the end section is centered in the ferrule. An adhesive is located between the ferrule and the non-flexible end section from the position spaced inwardly from the free end of the end section to the free end thereof to connect the ferrule to the non-flexible end section.

IPC 8 full level

G02B 1/00 (2006.01); **G02B 6/04** (2006.01); **G02B 6/40** (2006.01)

CPC (source: EP US)

G02B 6/04 (2013.01 - EP US); **G02B 6/403** (2013.01 - EP US)

Citation (examination)

- JP S59172605 A 19840929 - OLYMPUS OPTICAL CO, et al
- EP 0434212 A2 19910626 - MINNESOTA MINING & MFG [US]
- JP S60143307 A 19850729 - SUMITOMO ELECTRIC INDUSTRIES
- DE 4104350 C

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AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PT RO SE SI SK TR

DOCDB simple family (publication)

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